(FILE 'HOME' ENTERED AT 16:26:36 ON 08 APR 2003)

L1 L2 L3	FILE 'REGISTRY' ENTERED AT 16:27:02 ON 08 APR 2003 11475 S 629-11-8/CRN OR 556-48-9/CRN 1842 S L1 AND PC/PCT 2 S 629-11-8/RN OR 556-48-9/RN	3
L4 L5 L6	FILE 'CA' ENTERED AT 16:29:48 ON 08 APR 2003 6 S L2 AND GOLF? 5 S L1 AND GOLF? NOT L4 0 S L3 AND GOLF? NOT (L4 OR L5)	,
L7 L8	840 S L2 AND (POLYURETHANE? OR URETHANE?) N 178 S L7 AND (PREPOLYMER? OR PRE)	NOT (L4 OR L5)

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T.4
     ANSWER 6 OF 6 CA COPYRIGHT 2003 ACS
AN
     129:16997 CA
TI
     Multiple piece solid golf balls
     Moriyama, Keiji; Asakura, Takeshi; Hiraoka, Hideki
ΙN
PA
     Sumitomo Rubber Industries Co., Ltd., Japan
SO
     Jpn. Kokai Tokkyo Koho, 6 pp.
     CODEN: JKXXAF
DT
     Patent
LΑ
     Japanese
TC
     ICM A63B037-00
     ICS A63B037-04; A63B037-12; C08L023-26; C08L075-04
CC
     39-15 (Synthetic Elastomers and Natural Rubber)
FAN.CNT 1
                     KIND DATE
     PATENT NO.
                                          APPLICATION NO.
                                                            DATE
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                                          _____
     JP 10108923
                      A2
PT
                            19980428
                                          JP 1997-220340
                                                          19970815
PRAI JP 1996-215730
                            19960815
     Golf balls having good hit feeling and carry comprise a core,
     .gtoreq.1 interlayer contg. 10-100% polyurethane thermoplastic elastomers
     and 0-90% ethylene-(meth)acrylic acid ionomers (I) having flexural
modulus
     1500-5000 kg/cm2, and a cover of I having Shore D hardness 50-75. Thus,
a
     core comprised BR 18 100, Zn acrylate 26, dicumyl peroxide 1.0, ZnO 31,
     and Yoshinox 425 (II) 0.5 part, an interlayer comprised Pandex T 7890N,
     and a cover comprised Himilan 1605 50, Himilan 1706 50, Ti oxide 2, Ba
     sulfate 2, and II 0.2 part.
ST
     ionomer polyurethane rubber golf ball; cover golf
     ball; core golf ball; interlayer golf ball
ΙT
     Ionomers
     RL: PRP (Properties); TEM (Technical or engineered material use); USES
     (Uses)
        (covers; multiple piece golf balls having good hit feeling
        and carry)
     Urethane rubber, properties
IT
     RL: PRP (Properties); TEM (Technical or engineered material use); USES
        (interlayers, Pandex T 2983N; multiple piece golf balls
        having good hit feeling and carry)
ΙT
     Golf balls
        (multiple piece golf balls having good hit feeling and carry)
TΤ
     Butadiene rubber, preparation
     RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or
     engineered material use); PREP (Preparation); USES (Uses)
        (of cis-1,4-configuration, JSR-BR 18, reaction products with zinc
        acrylate; multiple piece golf balls having good hit feeling
        and carry)
TΨ
     25608-26-8, Himilan 1605
     RL: PRP (Properties); TEM (Technical or engineered material use); USES
     (Uses)
        (Himilan 1605, covers; multiple piece golf balls having good
        hit feeling and carry)
IT
     28516-43-0, Himilan 1706
    RL: PRP (Properties); TEM (Technical or engineered material use); USES
        (Himilan 1706, covers; multiple piece golf balls having good
       hit feeling and carry)
    103339-33-9P, Butadiene-zinc acrylate copolymer
IT
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RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (cores; multiple piece **golf** balls having good hit feeling and carry)

IT **205830-56-4**, Pandex T 7890N

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(interlayers; multiple piece **golf** balls having good hit feeling and carry)

IT 9003-17-2P

RL: IMF (Industrial manufacture); PRP (Properties); TEM: (Technical or engineered material use); PREP (Preparation); USES (Uses) (cis-1,4-Butadiene rubber, JSR-BR 18, reaction products with zinc acrylate; multiple piece golf balls having good hit feeling and carry)